

Jet Propulsion Laboratory
California Institute of Technology



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April 18, 2008
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TO: Distribution

FROM: David Morris

SUBJECT: Minutes for the Joint Users Resource Allocation Planning Committee Meeting held April 17, 2008 JPL Building 126-Room 200 1PM.

NEXT JURAP MEETING:
Thursday, May 15, 2008
JPL Bldg 126, Room 200, Time 1PM

Attendees:

H. Ahlstrom	J. Frautnick	C. Hernandez	J. Neelon	T. Thompson
A. Andujo	K. Fujii	D. Holmes	C. Page	P. Tay
D. Dillard	A. Kniepkamp	E. Martinez	C. Parker	K. Yetter
L. Efron	J. Hall	E. Chapman	E. Pereira	K. Zamora
L. Fairley	P. Hames	D. Morris	D. Seal	

The Joint Users Resource Allocation Planning Committee meets monthly to review the status of Flight Projects, the requirements of other resource users, and to identify future requirements and outstanding conflicts. The previous JURAP meeting was held on March 20, 2008 at the Jet Propulsion Laboratory.

Introductory Remarks – D. Morris

Welcomed the attendees to the JURAP meeting. Dave Morris remarked on the status of DSN downtimes for: DSS-15 still down for AZ/Track and other maintenance activities – on schedule; DSS-54 still down for Az/Track and Ka-band D/L installation – going well and on schedule; Madrid power conversion to commercial power planned to begin in late March and April, had partial success.

SPECIAL PRESENTATIONS***LCROSS GSSR***

Activities and presentation - *Dr. Martin Slade*

Dr. Slade describes plans for observations of the Lunar Southern pole in support of LCROSS/GSSR

http://rapweb.jpl.nasa.gov/JURAP/JURAP2008-04/GSSR_Support_LCROSSWinComp.pdf.

Resource Analysis Team***Mid-Range Status – L. Fairley***

Week 25 - 26 have been released to DSN Scheduling

Week 33 - 34 were released to the Remote Users

Week 27 - 31 have remaining facility and equipment conflicts

Mid-Range scheduling process has scheduled 20 weeks ahead of real-time and there are currently 10 weeks of conflict-free schedules. Conflict resolution is required for the following five weeks 08/04/2008 through 09/07/2008

On-going special studies/activities: LCROSS GSSR

- Project is requesting additional supports at 70M/34BWG during the time frame of:

09/19/2008 263 / 0900 (Fri) through 02/02/2009 033 / 0700 (Mon)

Forecasted major events that may cause contention:

CAS view ~263/1300-0100 in 2008. Other tracks overlap by ~1 hour at BOT

MAP maneuver 2009/028 – 034. View is ~ 0200 – 1400.

DI (EPOxI) TCM DOY 2008/345. DI View ~ 0430 – 1400.

Please see addendum at the end of the minutes.

Downtime Planning – ongoing***Status by Peter Hames/Harlow Ahlstrom***

- All three complexes need downtime due to major changes to the power delivery
- Spain's generator work was not completed in April and needs more time in summer 2009

- Canberra (Len Ricardo) has requested downtime to replace and test new generators
- Goldstone will need six days of downtime in summer 2010
- On Jan.1, 2011 Goldstone can no longer run generators due to emissions unless in a power emergency. New generators will need to be installed by Jan.1, 2011

Antenna Downtime Status and Forecast:

The following downtimes are being studied for 2008-2010:

- DSS-14 Grouting for week 25 in 2008 has been removed from the chart
Have requested from the complex to combine the downtime with week 31 and schedule 5-6 days
- DSS-55 downtime for Paint Repair beginning in June 2008 has been moved to September.
- DSS-34 downtime for 34 Azimuth Track Repair in June of 2008 for week 25 – 28.
Due to Cassini critical support, the downtime will start 1 day later.
- DSS-65 downtime for Life Extension Elevation in October, November of 2009 has been moved to weeks 31- 41 in 2010.
- DSS-25 downtime for Ka U/L install for April 2010 re-scheduled for August, weeks 31-34.
- DSS-54 downtime for ACQ Aid Installation is scheduled for weeks 42 and 43 of 2008.
- CDSCC 26m antenna, DSS-46 will close as of August 1, 2009.
- DSS-43 downtime for Life Extension and Depot Level Maintenance starting October 3, 2008 has been moved to start January 5, 2009 and proposed to end April 12, 2009.
- DSS-63 downtime for Life Extension has been shortened to May 4, through August 2, 2009. The start was delayed and time will be adding 2 weeks longer.
- As a result of the of the reduction in downtime with DSS- 43 & DSS- 63 in 2008 & 2009 it is requested to recover that time in 2010 local spring, summer or fall after DSS-14 RTS
- DSS-15 downtime for Pintle Bearing has been scheduled for May 3, through June 27, 2010.
- DSS-34 downtime for Azimuth Track Replacement has been proposed for 2010, local summer.
- DSS-24 downtime for painting has been proposed for April – May of 2009. A study is

Downtime request for 2008

The following proposals for 14-hour complex downtimes are requested by GDSCC.

- Corrective maintenance “Apollo Tie-Line CB 22 Electrical Maintenance” April. This is in the schedule for week 16 DOY 108/0733-2155 has been negotiated in the Mid- Range negotiation meeting
- Corrective maintenance “G86/G81 Transfer Switch Electrical Maintenance” in May. This was in the schedule for week 22 DOY 147/0830-2230. This downtime will be scheduled no earlier than week 36 and negotiated in the Mid-Range negotiation meetings.
- Preventative maintenance “G91 2400V Switchgear Electrical Maintenance” in June. This is in the schedule for no earlier than week 38 and will be negotiated in the Mid-Range negotiation meetings.
- Preventative maintenance “Echo Tie-Line Electrical Maintenance” in September. This is in the schedule for no earlier than week 40 and will be negotiated in the Mid-Range negotiation meetings.
- Preventative maintenance “Apollo Tie-Line Electrical Maintenance” in October. This is in the schedule for no earlier than week 43 and will be negotiated in the Mid-Range negotiation meetings.
- Preventative maintenance “SPC-10 Electrical Maintenance” in November. This is in the schedule for no earlier than week 45 and will be negotiated in the Mid-Range negotiation meetings.

The following proposals for antenna downtimes are requested.

MDSCC Annual Antenna Inspections including Annual Servo Testing at DSS-63, -65, -54 and -55 as follows:

- Servo Testing for DSS-55 is scheduled for DOY 192/0600-1400 week 28
- Servo Testing for DSS-63 is scheduled for DOY 193/0600-1400 week 28
- Servo Testing for DSS-54 is scheduled for DOY 196/0600-1400 week 29
- Servo Testing for DSS-65 is scheduled for DOY 199/0600-1400 week 29
- Servo Testing for DSS-63 is scheduled for DOY 203/0600-1400 week 20 (will be deleted if week 28 is negotiated)
- Antenna Inspection for DSS-63 is scheduled for DOY 154/0600-1400 week 23

- Antenna Inspection for DSS-55 is scheduled for DOY 161/0600-1400 week 24
- Antenna Inspection for DSS-54 is scheduled for DOY 162/0600-1400 week 24
- Antenna Inspection for DSS-65 is scheduled for DOY 163/0600-1400 week 24
- HEF Transmitter Manifold Installation at DSS-15, -45 and -65 between July 2008 and June 2009 not to be scheduled concurrently with DSS-15 being scheduled first.

For a complete listing of Antenna Downtimes, please visit the following link on the RAPSO website:

http://madb.jpl.nasa.gov/DSNDowntime/antennadown_report.asp?option=bydate

ON-GOING SPECIAL STUDIES/ACTIVITIES

LCROSS GSSR Special Study

Project is requesting additional supports at 70M/34BWG on:

09/19/2008 263 / 0900 – 1600 (Fri)

12/09/2008 344 / 0500 – 0900 (Tues) or 12/10/2008 345 / 0400 – 1000 (Wed)

01/06/2009 006 / 0000 – 0800 (Tues)

02/01/2009 032 / 2200 – 0600 (Sun) or 02/02/2009 033 / 2100 – 0700 (Mon)

Forecasted major events that may cause contention:

DSS Maintenance – none.

CAS,MRO,M01O,STF,MSGR,NHPC – none.

CAS view ~263/1300-0100 in 2008. Other tracks overlap by ~1 hour at BOT.

MAP Maneuver 2009/028 – 034. View is ~ 0200 – 1400.

DI (EPOxI) TCM DOY 2008/345. DI View ~ 0430 – 1400.

(It is suggested that GSSR use DOY 344)

Summary: We foresee minor, workable contentions with these observations

Closing statements: D. Morris